Table: Queries

+	-+-		+
Column Name	1	Туре	1
+	-+-		+
query_name		varchar	1
result	-	varchar	
position	1	int	١
rating	1	int	١
1			

There is no primary key for this table, it may have duplicate rows.

This table contains information collected from some queries on a database.

The position column has a value from 1 to 500.

The rating column has a value from 1 to 5. Query with rating less than 3 is a poor query.

We define query quality as:

The average of the ratio between query rating and its position.

We also define poor query percentage as:

The percentage of all queries with rating less than 3.

Write an SQL query to find each query\_name, the quality and poor\_query\_percentage.

Both quality and poor\_query\_percentage should be rounded to 2 decimal places.

Return the result table in any order.

The query result format is in the following example.

Example 1:\*\*

## Input:

Queries table:

query_name		+   position +	0
Dog Dog Dog Cat Cat Cat	Golden Retriever   German Shepherd   Mule   Shirazi   Siamese   Sphynx	1   2   200   5   3   7	5

Output:

+		poor_query_percentage	+
+	quarroy	query_percentage	+
Dog	2.50	33.33	١
Cat	0.66	33.33	
+			_

## Explanation:

Dog queries quality is ((5 / 1) + (5 / 2) + (1 / 200)) / 3 = 2.50Dog queries poor\_ query\_percentage is (1 / 3) \* 100 = 33.33

Cat queries quality equals ((2 / 5) + (3 / 3) + (4 / 7)) / 3 = 0.66 Cat queries poor\_ query\_percentage is (1 / 3) \* 100 = 33.33